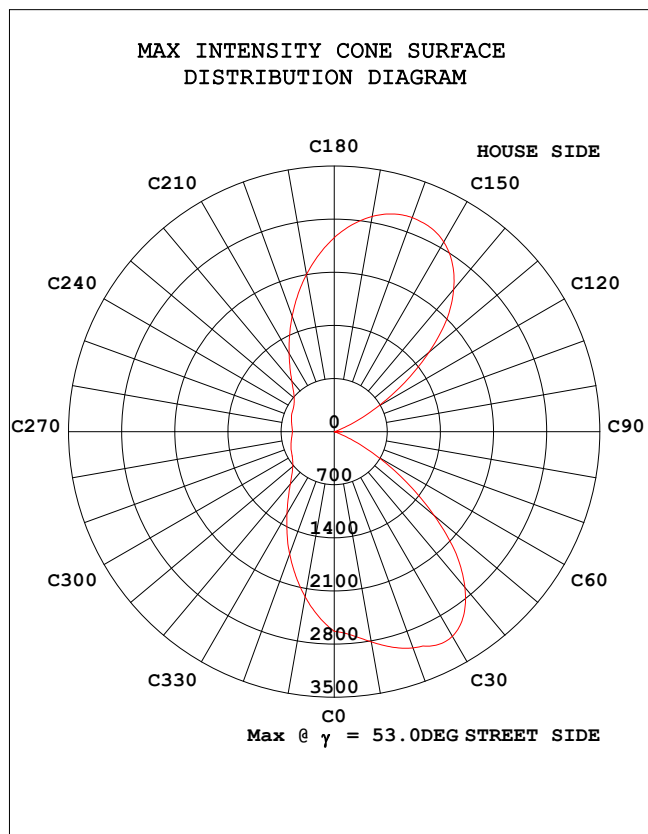
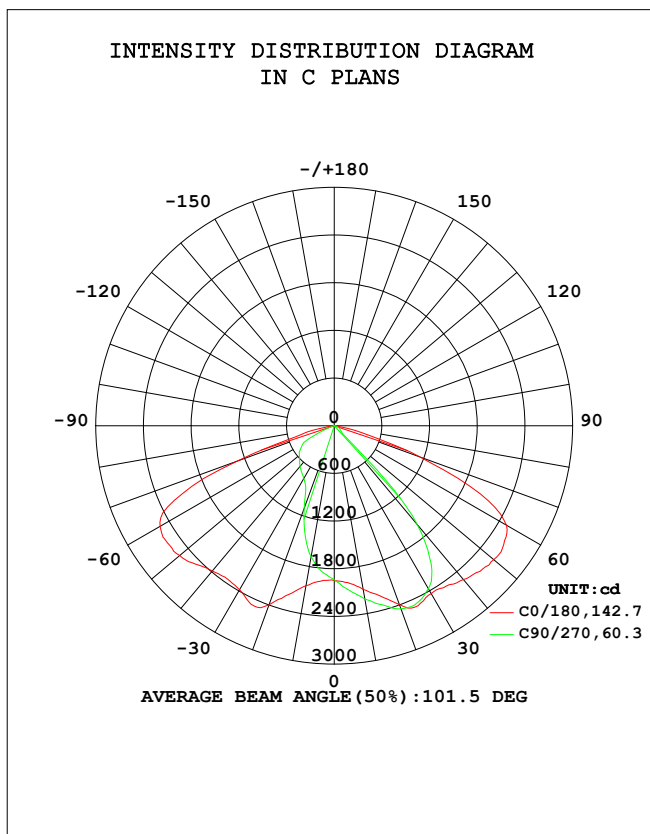


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm		
NAME: LED Street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Light Planet Pty Ltd	SUR.:	Shielding Angle:N/A

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.98 lm/W			
MODEL	LPST50W	I _{max} (cd)	3057	η street_up (%)	0.1
NOMINAL POWER (W)	50	LOR (%)	100.0	η street_down (%)	53.6
RATED VOLTAGE (V)	100-240	TOTAL FLUX (lm)	6533	η house_up (%)	0.1
NOMINAL FLUX (lm)	6533.33	MAXIMUM @ (C, γ)	23,53.0	η house_down (%)	46.3
LAMPS INSIDE	1	η up (%)	0.2	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	240	η down (%)	99.8	SLI	18.322

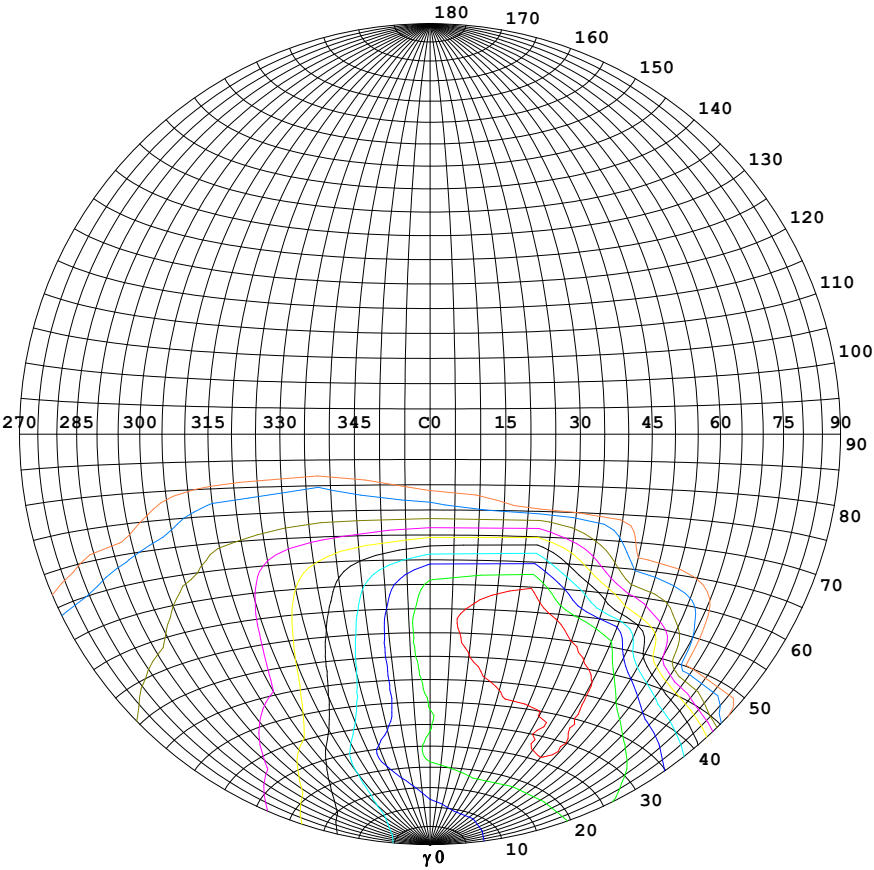


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Seth
Test Date: 2017-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity: 65.7%
Test Distance: 26.000m [K=1.4372]
Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm		
NAME: LED Street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Light Planet Pty Ltd	SUR.:	Shielding Angle:N/A



Classification:

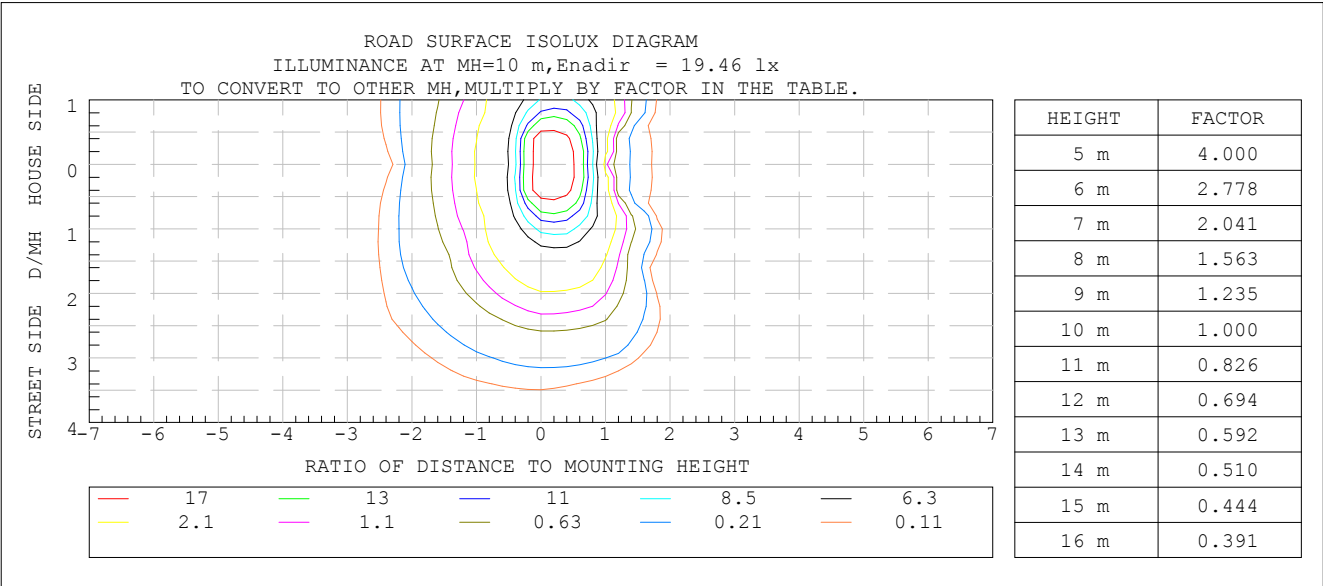
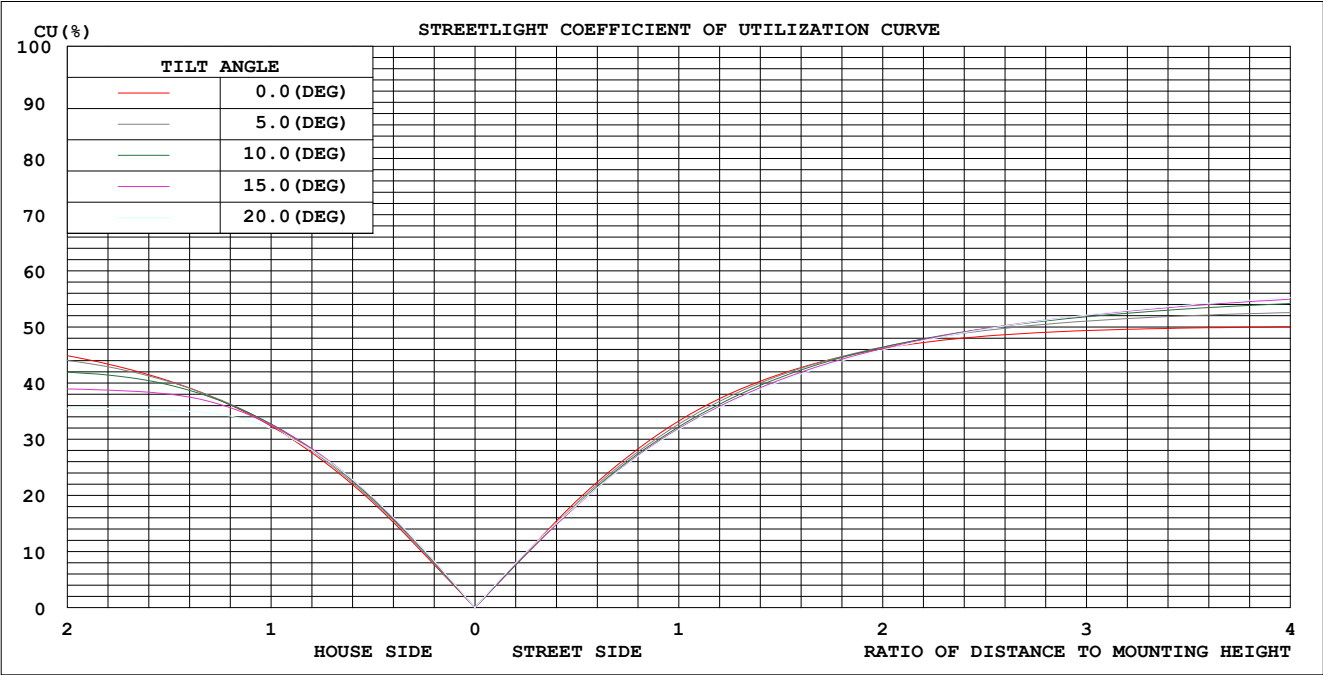
IES:Type III - Short
CIE:Average - Short
IES:Cut-off
CIE:Semi-cut-off
Max.At80:44.84cd/klm
Max.At90:0.1689cd/klm
Max.80-90:44.84cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3057
90%	2752
80%	2446
70%	2140
60%	1834
50%	1529
40%	1223
30%	917
20%	611
10%	306
5%	153

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2017-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.4372]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Seth
Test Date: 2017-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity: 65.7%
Test Distance: 26.000m [K=1.4372]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm		
NAME: LED Street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Light Planet Pty Ltd	SUR.:	Shielding Angle:N/A

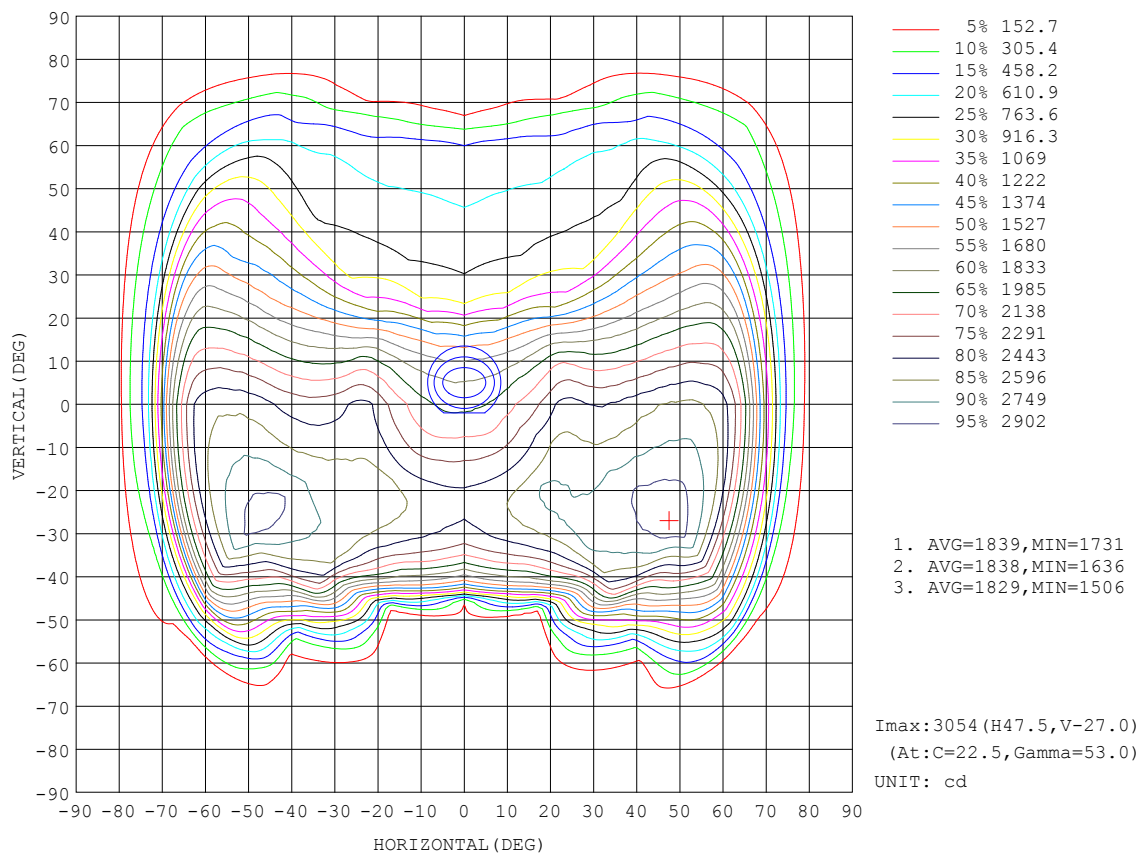
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2090	2166	2213	2131	2044	1818	1676	1823	0- 10	188.1	188.1	2.88,2.88
20	2395	2515	2453	2429	2396	1597	1109	1635	10- 20	576.5	764.6	11.7,11.7
30	2439	2804	2371	2719	2384	1185	766.6	1239	20- 30	947.6	1712	26.2,26.2
40	2526	2770	1623	2705	2386	884.6	668.1	933.2	30- 40	1194	2906	44.5,44.5
50	2621	2526	120.0	2419	2540	785.5	574.0	805.9	40- 50	1268	4175	63.9,63.9
60	2502	975.6	83.54	779.7	2530	723.1	457.3	736.9	50- 60	1182	5357	82,82
70	1145	88.88	53.36	88.12	1283	547.4	60.41	556.5	60- 70	869.9	6227	95.3,95.3
80	87.07	38.31	15.55	36.97	117.0	173.7	16.41	176.2	70- 80	269.4	6496	99.4,99.4
90	0.0004	0	0	0	1.104	0.0779	0	0.0782	80- 90	25.39	6522	99.8,99.8
100	0	0	0	0	3.151	0.2378	0	0.4706	90-100	0.3876	6522	99.8,99.8
110	1.335	0.0007	0	0	5.509	2.580	0	2.817	100-110	1.119	6523	99.8,99.8
120	1.729	0.0781	0	0.0782	5.740	4.690	0.4697	4.224	110-120	1.794	6525	99.9,99.9
130	2.595	0.0781	0	0.0782	4.880	4.737	2.819	4.768	120-130	2.088	6527	99.9,99.9
140	3.226	0.3122	0.0783	0.3509	4.596	4.191	3.666	4.217	130-140	2.030	6529	99.9,99.9
150	3.565	1.406	0.5461	1.169	4.422	4.048	4.198	3.897	140-150	1.741	6531	100,100
160	3.476	2.126	1.359	1.386	4.452	3.906	3.864	3.356	150-160	1.379	6532	100,100
170	3.718	3.426	2.236	2.655	4.483	3.815	3.780	3.005	160-170	0.8748	6533	100,100
180	4.721	4.298	2.897	3.831	4.800	3.751	2.894	2.733	170-180	0.3365	6533	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2017-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.4372]
 Remarks:

ISOCANDELA DIAGRAM

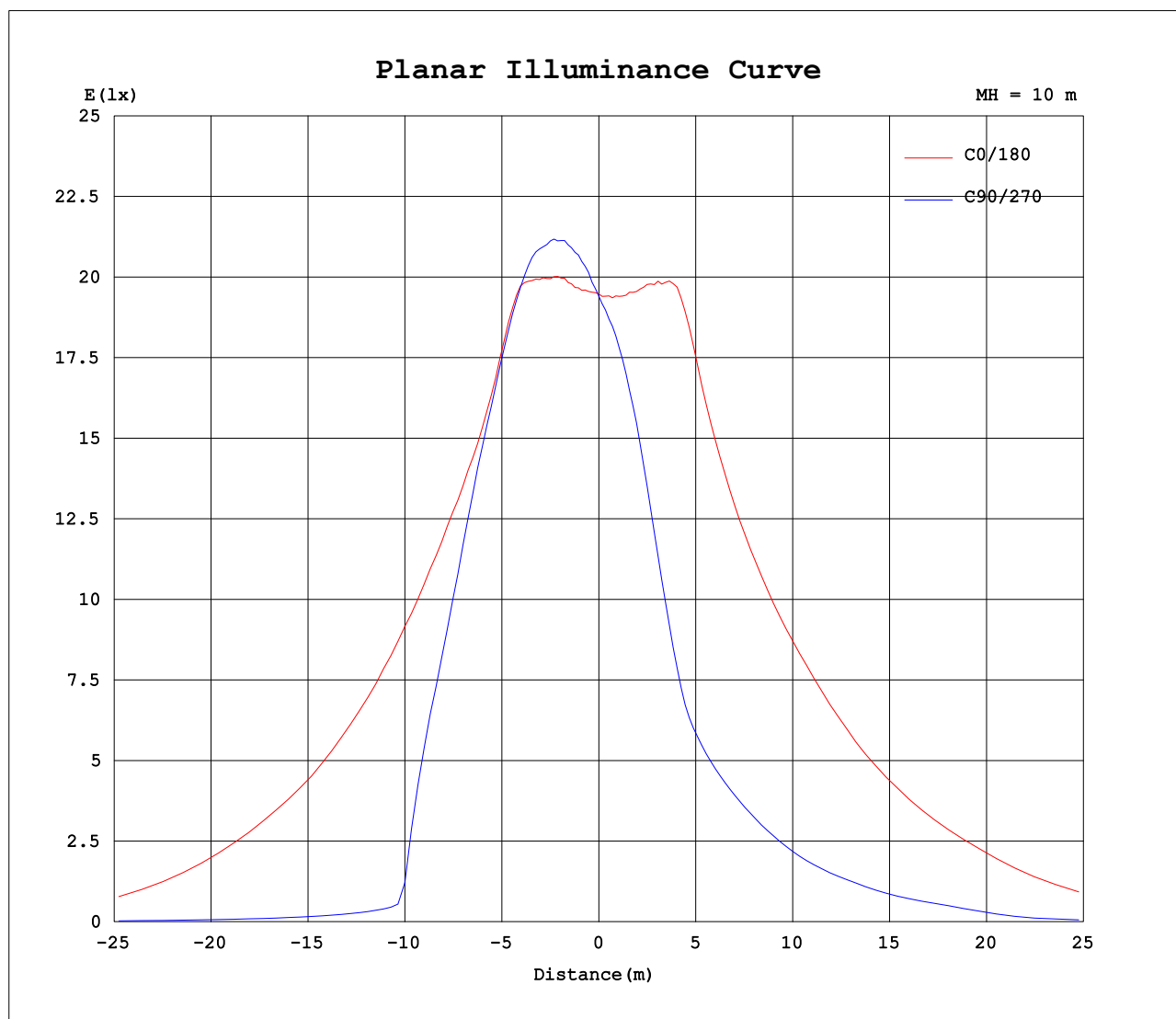
Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm		
NAME: LED Street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Light Planet Pty Ltd	SUR.:	Shielding Angle:N/A



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2017-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.4372]
Remarks:

Planar Illuminance Curve



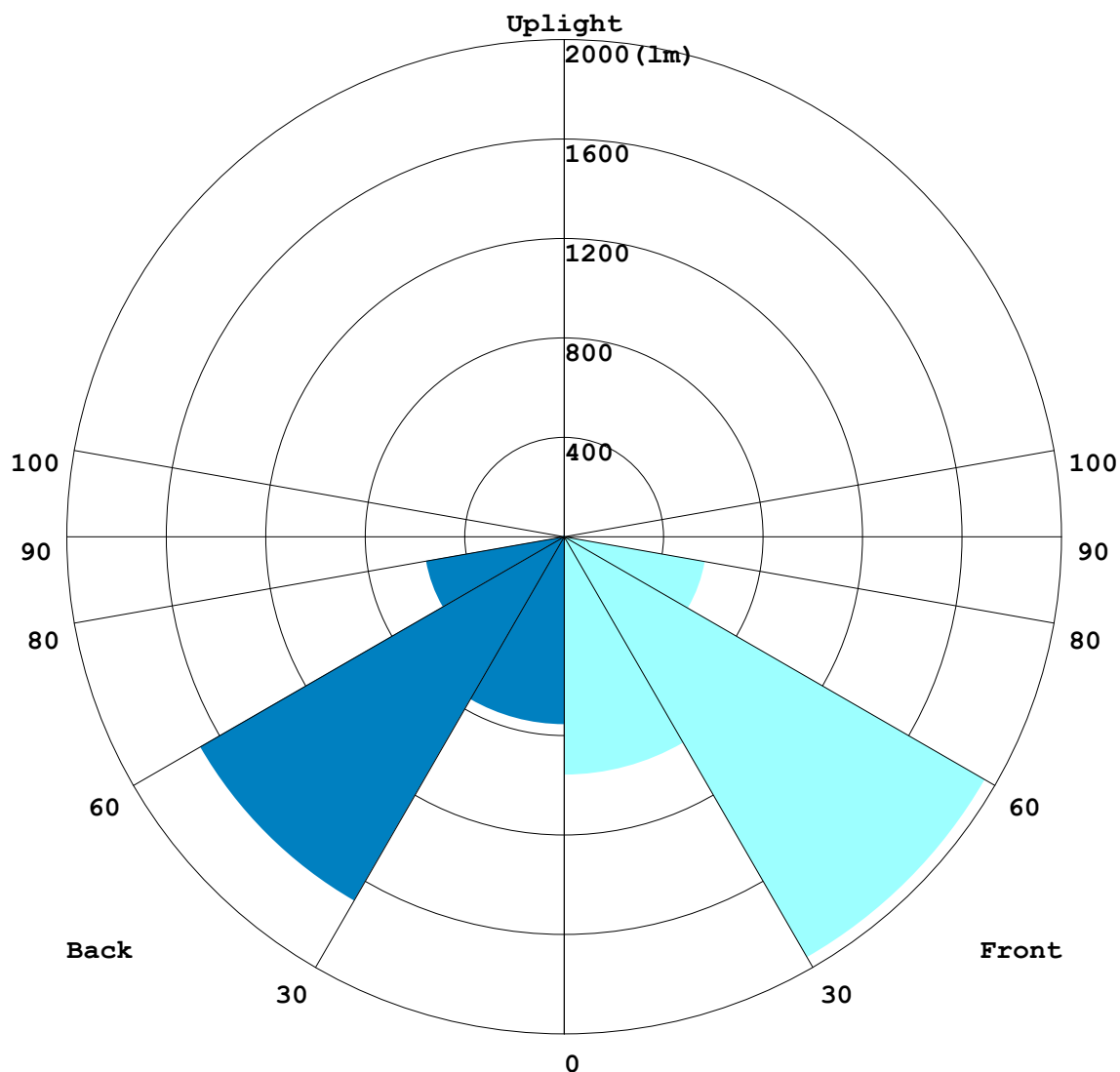
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 24.5DEG
Operators: Seth
Test Date: 2017-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity: 65.7%
Test Distance: 26.000m [K=1.4372]
Remarks:

LCS REPORT

Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm		
NAME: LED Street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Light Planet Pty Ltd	SUR.:	Shielding Angle:N/A

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2017-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.4372]
Remarks:

BUG REPORT

Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm		
NAME: LED Street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Light Planet Pty Ltd	SUR.:	Shielding Angle:N/A

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	957.71	14.7
FM - Front-Medium(30-60)	1954.3	29.9
FH - Front-High(60-80)	575.09	8.8
FVH - Front-Very High(80-90)	12.657	0.2
Total Forward Light	3505.5	53.7

BL - Back-Low(0-30)	754.51	11.5
BM - Back-Medium(30-60)	1690.4	25.9
BH - Back-High(60-80)	564.17	8.6
BVH - Back-Very High(80-90)	12.736	0.2
Total Back Light	3027.8	46.3

UL - Uplight-Low(90-100)	0.38759	0.0
UH - Uplight-High(100-180)	11.361	0.2
Total Up Light	11.749	0.2

BUG(Back,Up,Glare) Rating	B2-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	3021.8	6.0137	3027.8
Street Side	3499.8	5.7353	3505.5

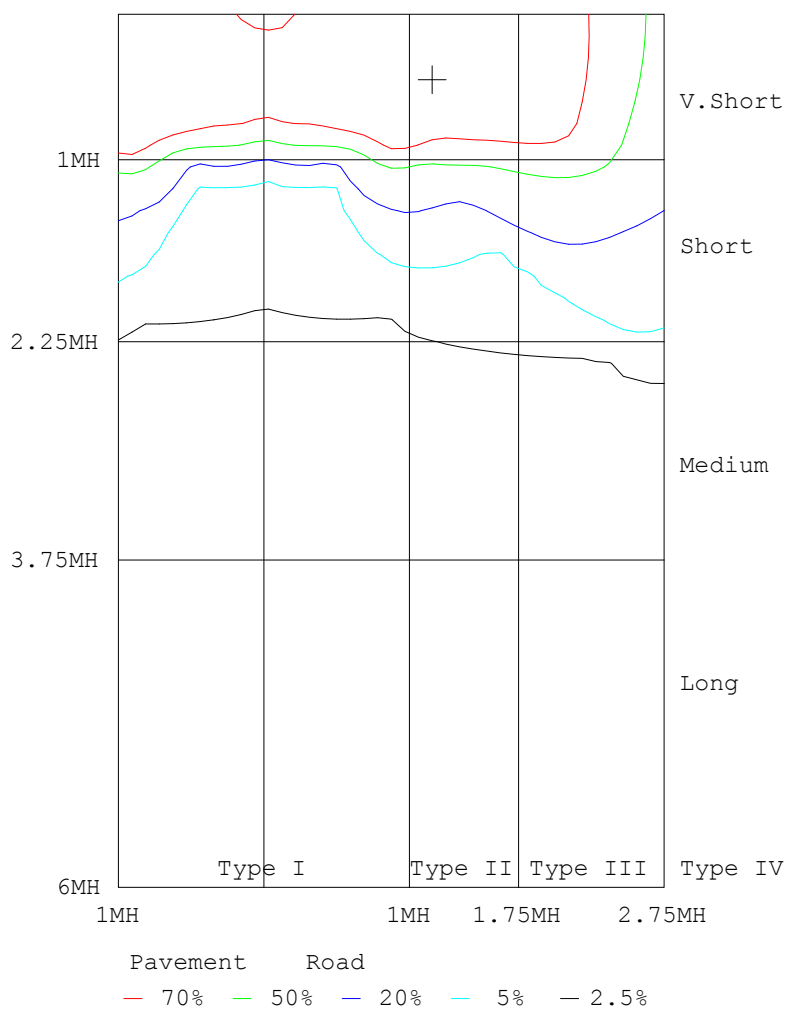
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:24.5DEG
 Operators:Seth
 Test Date:2017-06-06

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
 Humidity:65.7%
 Test Distance:26.000m [K=1.4372]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm		
NAME: LED Street light	TYPE:LED	WEIGHT:N/A
SPEC.:N/A	DIM.:	SERIAL No.:N/A
MFR.: Light Planet Pty Ltd	SUR.:	Shielding Angle:N/A

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2017-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.4372]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:240.0V I:0.2148A P:49.88W PF:0.9677 Freq:50.01Hz Lamp Flux:6533.33x1 lm																	
NAME: LED Street light									TYPE:LED						WEIGHT:N/A		
SPEC.:N/A									DIM.:						SERIAL No.:N/A		
MFR.: Light Planet Pty Ltd									SUR.:						Shielding Angle:N/A		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1948	1946	1945	1940	1941	1947	1945	1941	1948	1946	1945	1940	1941	1947	1945	1941			
5	1982	2022	2038	2068	2072	2060	2028	1991	1964	1910	1879	1842	1839	1851	1880	1938			
10	2090	2156	2166	2203	2213	2182	2131	2096	2044	1912	1818	1699	1676	1722	1823	1964			
15	2214	2327	2338	2342	2331	2316	2263	2240	2196	1967	1726	1501	1421	1520	1740	2019			
20	2395	2523	2515	2483	2453	2458	2429	2426	2396	2044	1597	1246	1109	1271	1635	2091			
25	2497	2657	2726	2587	2463	2544	2633	2563	2478	2044	1426	971	851	1016	1484	2122			
30	2439	2669	2804	2550	2371	2515	2719	2594	2384	1858	1185	827	767	855	1239	1966			
35	2461	2726	2774	2416	2128	2378	2711	2651	2352	1750	1002	769	715	781	1056	1843			
40	2526	2826	2770	2072	1623	2030	2705	2735	2386	1659	885	722	668	735	933	1767			
45	2592	2941	2727	1421	344	1352	2642	2882	2465	1591	832	675	618	682	853	1709			
50	2621	3026	2526	157	120	147	2419	2978	2540	1532	785	634	574	642	806	1641			
55	2604	3009	1887	112	98.5	112	1688	2970	2566	1481	747	584	522	597	777	1564			
60	2502	2734	976	93.9	83.5	93.6	780	2767	2530	1383	723	533	457	547	737	1468			
65	2026	2095	287	78.4	70.0	77.3	190	2287	2219	1290	671	411	227	420	687	1271			
70	1145	1196	88.9	62.7	53.4	61.7	88.1	1181	1283	983	547	233	60.4	255	556	857			
75	421	197	66.3	44.2	34.8	43.6	65.6	149	437	501	410	54.5	32.9	67.2	407	473			
80	87.1	59.2	38.3	23.9	15.5	23.1	37.0	71.7	117	281	174	26.0	16.4	26.5	176	293			
85	9.13	8.25	2.29	0.61	0.48	0.58	2.12	8.44	14.3	27.3	36.1	7.79	0.23	8.34	33.8	24.9			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.94	0.08	0.00	0.00	0.00	0.08	1.02			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.73	1.57	0.00	0.00	0.00	0.00	0.19	1.66			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.15	3.05	0.24	0.00	0.00	0.00	0.47	3.15			
105	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.08	4.57	4.62	1.02	0.00	0.00	0.00	1.41	4.72			
110	1.33	0.47	0.00	0.00	0.00	0.00	0.00	0.39	5.51	5.95	2.58	0.00	0.00	0.00	2.82	5.97			
115	1.34	0.65	0.08	0.00	0.00	0.00	0.00	0.65	5.79	6.49	3.83	0.08	0.00	0.24	3.67	6.35			
120	1.73	0.69	0.08	0.00	0.00	0.00	0.08	0.76	5.74	6.26	4.69	0.22	0.47	0.47	4.22	6.38			
125	2.20	1.02	0.08	0.00	0.00	0.00	0.08	1.30	5.05	5.94	4.80	2.75	1.57	2.36	4.69	6.37			
130	2.60	1.21	0.08	0.00	0.00	0.00	0.08	1.47	4.88	5.48	4.74	3.69	2.82	3.15	4.77	5.89			
135	2.60	1.25	0.23	0.00	0.00	0.00	0.25	1.44	4.71	5.09	4.68	4.39	3.49	3.87	4.61	5.42			
140	3.23	1.72	0.31	0.00	0.08	0.16	0.35	1.49	4.60	5.09	4.19	4.39	3.67	3.88	4.22	5.27			
145	3.60	1.80	1.09	0.39	0.16	0.25	0.55	1.67	4.41	5.09	4.12	4.39	3.85	3.89	3.88	5.12			
150	3.57	2.52	1.41	0.86	0.55	0.47	1.17	1.83	4.42	4.38	4.05	4.39	4.20	3.91	3.90	4.92			
155	3.52	2.58	2.02	1.29	0.94	0.78	1.28	2.04	4.44	4.41	3.98	4.39	3.91	3.92	3.75	4.71			
160	3.48	2.63	2.13	1.49	1.36	1.17	1.39	2.20	4.45	4.45	3.91	4.39	3.86	3.78	3.36	4.12			
165	3.43	2.68	2.50	1.73	1.64	1.34	1.72	2.31	4.47	4.49	3.86	4.39	3.82	3.38	3.04	3.99			
170	3.72	2.73	3.43	2.59	2.24	1.96	2.65	2.54	4.48	4.52	3.81	4.39	3.78	3.35	3.01	3.97			
175	4.56	3.75	4.14	2.74	2.74	2.52	3.67	3.53	4.71	4.64	3.77	4.39	3.45	3.32	2.98	3.94			
180	4.72	3.76	4.30	2.90	2.90	2.60	3.83	3.77	4.80	4.69	3.75	4.31	2.89	3.07	2.73	3.85			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:24.5DEG
Operators:Seth
Test Date:2017-06-06

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.352
Humidity:65.7%
Test Distance:26.000m [K=1.4372]
Remarks: